

TKACHENKO, I.A.; VIRABOV, S.A.

Redesigning the auxiliary and storage facilities of Mine 17-17 bis
of the Krasnoluchugol' Trust. Ugol'. prom. no. 6:29-34 N-D '62.
(MIRA 16:2)

1. Zamestitel' predsedatelya Luganskogo soveta narodnogo khozyaystva
(for Tkachenko). 2. Rukovoditel' gruppy Donetskogo nauchno-issledovatel'-
skogo instituta nadshakhtnogo stroitel'stva (for Virabov).
(Donets Basin—Mine buildings)

GORDIYENKO, V.A.; TKACHENKO, I.D.

[Raising pulse crops in Moldavia] Vozdelyvanie zernobobovykh kul'tur
v Moldavii. Kishinev, Gos. izd-vo Moldavii, 1956. 40 p. (MLRA 10:9)
(Moldavia--Legumes)

BELIKOV, I.F.; TKACHENKO, I.G.

Soybean in the Far East. Masl.-zhir.prom. 18 no.6:6-8 Je '53. (MLP 6:6)

1. Dal'nevostochnyy filial Akademii nauk SSSR (for Belikov). 2. Primorskaya selektsionnaya stantsiya (for Tkachenko). (Siberia, Eastern--Soybean)

Category : USSR/General Problems - Problems of Teaching

A-3

Abc Jour : Ref Zhur - Fizika, No 3, 1957, No 5527

Author : Tkachenko, I.G.

Title : Execution of the Program of Polytechnical Teaching in Physics
Classes and in Work Outside the Classroom, in the 9 ... 10.
Classes.

Orig Pub : Radyan'ska shkola, 1956, No 7, 20-27

Abstract : No abstract

Card : 1/1

ACC NR: AP7004399

that an increase in the number of valence electrons, increases the energy stability of the stable d-configurations. The dependences examined confirm the role of stable electronic configurations in the formation of the physical properties of elements and compounds. The authors' thank G. V. Samsonov, Corresponding Member, AN UkrSSR, for his valuable recommendations and advice. Orig. art. has: 5 figures and 1 table. [Authors' abstract]

[NT]

SUB CODE: 11/SUBM DATE: 01Aug66/ORIG REF: 018/OTH REF: 001/

Card 2/2

TKACHENKO, Iosif Ivanovich; KOCHERGA, N., vedushchiy redaktor; PATSALYUK,
P., tekhnicheskij redaktor.

[Manual for cutter loader operators] Posobie mashinista ugol'nogo
kombaina. Kiev, Gos.izd-vo tekhn.lit-ry USSR. 1957. 184 p.
(MLRA 10:4)
(Coal mining machinery)

TKACHENKO, Iosif Ivanovich; SAPILOV, A.V., otv. red.; MIRSKAYA,
V.V., red.izd-va; IL'INSKAYA, G.M., tekhn. red.

[Automatic control of mine apparatus] Avtomatizatsiya
shakhtnykh ustrojstv. Moskva, Gosgortekhizdat, 1963.
134 p. (MIRA 16:8)
(Mining machinery) (Automatic control)

GURZHIV, P.K.; KORCHAGIN, N.V.; TKACHENKO, I.I.

Ways of improving the operational supervision of production in coal
mines. Sbor. DonUGI no.28:165-168 '62. (MIRA 16:8)
(Coal mines and mining—Management)

TKACHENKO, I.M.

Replacement of dry molds by green ones with blackwash facing.
Lit.proizv. no.2:39 F '60. (MIRA 13:5)
(Molding (Foundry)) (Sand, Foundry)

ACC NR: AR6016966

SOURCE CODE: UR/0081/65/000/024/S069/S069

AUTHOR: Tkachenko, I. M.

TITLE: Economic effectiveness of using epoxide adhesive compositions in
the maintenance industry

SOURCE: Ref. zh. Khimiya, Abs. 24S461

REF SOURCE: Tr. Azovo-Chernomorsk. in-ta mekhaniz. s. kh., vyp. 18,
1964, 240-244

TOPIC TAGS: epoxide, adhesive, adhesive bonding, welding

ABSTRACT: A calculation is presented of the economic effectiveness of
restoring 7 types of auto parts using epoxide adhesives based on ED-6. It
was established that the cost of restoring parts with the use of
adhesives is 2.25 times cheaper and 3 times faster than with gas welding.
Performance tests showed that restored parts run quite reliably during
the entire period between overhauling and exceed it 2-2.5 times.
A. Ivanova. [Translation of abstract].

SUB CODE: 11, 14

Card 1/1

YEVDOKIMOV, I.F., inzhener; TKACHENKO, I.P., inzhener.

Erecting gantry cranes, Elek. sta. 28 ne.2:79-80 F '57.
(Cranes, Derricks, etc.)

(MIRA 10:4)

L 38272-66 ENT(1)/EWP(m) WM/CD
ACC NR: AT6016726 (N) SOURCE CODE: UR/0000/65/000/000/0119/0127
*b7
c7/*

AUTHOR: Koval'chuk, S. V.; Tkachenko, I. P.

ORG: Institute of Hydromechanics AN UkrSSR (Institut gidromekhaniki
AN UkrSSR)

TITLE: Hydromechanical characteristics of an insulated hydrofoil moving
above a screen

SOURCE: AN UkrSSR. Gidrodinamika bol'sikh skorostey (High speed
hydrodynamics), no. 1. Kiev, Izd-vo Naukova dumka, 1965, 119-127

TOPIC TAGS: hydrofoil, fluid flow

ABSTRACT: The approach to the problem starts from the general integral-
differential equation of a submerged hydrofoil. In the case of small
Froude numbers ($Fr_B \rightarrow 0$), we have the following boundary condition:

$$\left. \frac{d\varphi}{dy} \right|_{y=0} = 0. \quad (1)$$

In movement with high velocities over the bounding surface of a fluid
we can substitute a solid wall, that is, return again to condition (1).

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L 38272-66

ACC NR: AT6016726

Thus, we have complete correspondence between the movement of a submerged hydrofoil at $Fr_B \rightarrow 0$ and the movement of a hydrofoil over the surface of a fluid at $Fr_B \rightarrow \infty$, and the solution of the equation

$$\Gamma(\bar{y}) = \frac{a_{\bar{\eta}}}{2\lambda(\bar{y})} \left\{ a(\bar{y}) - \frac{1}{2\pi} \int_{-1}^{+1} \Gamma'(\bar{\eta}) \left[\frac{1}{\bar{y} - \bar{\eta}} + G(\bar{y} - \bar{\eta}) \right] d\bar{\eta} \right\}. \quad (2)$$

For the case of $Fr \rightarrow 0$ determines the circulation over the span of a hydrofoil moving at high velocity over the surface of a fluid. Based on the solution of the above equation, the article gives calculations for both rectangular and trapezoidal hydrofoils. Orig. art. has: 7 formulas, 3 figures and 2 tables.

13/
SUB CODE: 20/ SUBM DATE: 30Sep65/ ORIG REF: 002/ OTH REF: 001

Card 2/2 MLI

L 38270-65 EWT(1)/ENP(m) WH/GD

ACC. NR: AT6016727 (N)

SOURCE CODE: UR/0000/65/000/000/0128/0149

AUTHOR: Tkachenko, I. P.

ORG: Institute of Hydromechanics AN UkrSSR (Institut gidromekhaniki
AN UkrSSR)

TITLE: Calculation of the circulation distribution over rectangular
hydrofoils of arbitrary elongation with a type ETsVM BESM-2M

SOURCE: AN UkrSSR. Gidrodinamika bol'sikh skorostey (High speed
hydrodynamics), no. 1. Kiev, Izd-vo Naukova dumka, 1965, 128-149

TOPIC TAGS: hydrofoils, fluid flow, computer program

ABSTRACT: The starting point of the article is the following two-
dimensional equation for a bearing surface, obtained by the method of
the acceleration potential:

$$\frac{\partial}{\partial z} \int_{-1}^{+1} \int_{-1}^{+1} \frac{\gamma(0)}{z-\xi} \left[1 - \frac{\sqrt{(x-\xi)^2 + \lambda^2(\xi)(z-\zeta)^2}}{x-\xi} \right] d\xi d\zeta = \alpha(x, z). \quad (1)$$

The article develops a computer program for the solution of the above

Card 1/2

L 3827C-66

ACC NR: AT6016727

equation, on a type ETsVM BESM-2M computer. It includes detailed block diagrams of the program and tables of numerical values for sample calculations. Orig. art. has: 20 formulas, 4 figures and 7 tables.

SUB CODE: 13 09 SUBM DATE: 30Sep65/ ORIG REF: 003/ OTH REF: 001

Card 2/2MLP

FEDORENKO, A.I. [Fedorenko, O.I.]; TKACHENKO, I.V.

Development of the basic design for the standard construction of
women's sweaters manufactured on a flat fang knitting machine.
Leh. prom. no.3:59-61 J1-S '65. (MIRA 18:9)

PLACHENKO, K.

Extinguishing a fire of petroleum and gas gusher in Albania.
Po zh. delo 3 no. 9:13 S '57. (MLRA 10:9)
(Albania--Petroleum Industry--Fires and fire prevention)

TKACHENKO, K.

Extinguishing fire of petroleum gusher by atomized water. Pozh.
dele 3 no. 7:14-15 M 1 '57. (MLRA 10:8)
(Petroleum industry--Fires and fire prevention)

TKACHENKO, K.; KIRPICHENKO, M.M., red.; CHOTIYEV, S., tekhn.red.

[Alamedinka cascade] Alamedinskii kaskad. Frunze, Kir-gizskoe gos.izd-vo, 1959. 56 p. (MIRA 13:4)
(Alamedin River--Electric power plants)

TKACHENKO, K.

Self-igniting gasser. Pozh.delo 5 no.11:17-18 N '59.
(MIRA 13:4)
(Fire extinction) (Gas wells)

TKACHENKO, K.

Extinguishing fires of oil and gas gushers. Pozh.delo 3 no.1:10-
13 Ja '57. (MIRA 10:4)

1. Nachal'nik upravleniya pozharnoy okhrany Azerbaydzhanskoy SSR.
(Fire extinction)
(Petroleum industry--Fires and fire prevention)

TKACHENKO, K., deputat Verkhovnogo Soveta Azerbaydzanskoy SSR

Carrying on the work of the fathers. Pozh. delo 9 no.4:28
Ap '63. (MIRA 16:4)

1. Nachal'nik Upravleniya pozharnoy okhrany Azerbaydzanskoy
SSR.

(Azerbaijan—Firemen)

TKACHENKO, KUZ'MA DEM'YANOVICH; BABINETS, A.Ye., otv.red.

[Moisture balance in the zone of aeration; according to materials from observations of the "Feofania" Hydrogeological Station.]
Balans vlagi v zone aeratsii; po materialam nabliudeniia gidro-geologicheskoi stantsii "Feofania." Kiev, Naukova dumka, 1965.
143 p. (Akademiia nauk URSR, Kiev. Instytut geologichnykh nauk [Trudy]. Seriia gidrogeologii i inzhenernoi geologii, no.12)

(MIRA 18:4)

1. Chlen-korrespondent AN UkrSSR (for Babinets).

TKACHENKO, K.D.

Some results of the study of the moisture balance in the zone
of aeration based on observation materials of the "Feritaniya"
hydrogeological station. [Pratsil] Inst. geol. nauk AN URSR
Ser. hidrogeol. and inzh. geol. no.9876-93 *63 (MIRA 1787)

TKACHENKO, K.D.

Formation of the chemical composition of the subterranean waters
of the upper Cretaceous deposits in the Northern Donets River basin,
section Kremennaya-Svetlichnoye [with summary in English]. Dop. AN
URSR no.2:220-223 '58. (MIRA 11:5)

1. Institut geologicheskikh nauk AN URSR. Predstavлено akademikom
AN USSR V.G. Bondarchukom [V.H. Bondarshukom].
(Northern Donets River Valley--Water, Underground)

TKACHENKO, K.D.

Some characteristics of ground water recharge in the forest-and-steppe zone. Geol.zhur. 22 no.4:79-83 '62. (MIRA 15:9)

1. Institut geologicheskikh nauk AN UkrSSR.
(Water, Underground)

TKACHENKO, K.D.

Vaporous moisture and its significance for the water balance in the
aeration zone. Trudy Inst.geol.nauk AN URSR Ser.gidrogeol.i inzh.
geol. no.8:5-9 '62. (MIRA 15:7)
(Soil moisture)

TKACHENKO, K.D.

Method of calculating the water balance in the aeration zone. Trudy
Inst.geol.nauk AN URSR Ser.gidrogeol.i inzh. geol. no.8:10-23 '62.
(MIRA 15:7)
(Soil moisture)

TKACHENKO, K.D.

Condensation of vaporous moisture in soils. Geol. zhur. 20
no. 5:74-80 '60. (MIRA 14:1)
(Soil moisture)

AUTHOR: Tkachenko, K.D. SOV/21-58-2-25/28

TITLE: On the Formation of the Chemical Composition of the Subterranean Waters of the Upper Cretaceous Deposits in the North Donets River Basin, in the Kremennaya - Svetlichnoye Section (O formirovaniii khimicheskogo sostava podzemnykh vod verkh-nemelovoy tolshchi basseyna reki Severnogo Dontsa na uchastke Kremennaya - Svetlichnoye)

PERIODICAL: Dopovidi Akademii nauk Ukrains'koi RSR, 1958, Nr 2, pp 220 - 223 (USSR)

ABSTRACT: In the fissured zone of the Upper Cretaceous deposits occurring in the North Donets river basin in the Kremennaya - Svetlichnoye section, waters of different chemical composition are formed in different parts of the valley, depending on the conditions of the water supply sources. Sulfate-hydrocarbonate-calcium-sodium waters with considerable mineralization are formed on the right bank; weakly mineralized hydrocarbonate calcium waters are formed on the left bank within the limits of the sandy terrace. The mineralization of these waters increases from the sandy terrace to the watersheds; the type of water changes up to the chloride-hydrocarbonate-calcium-sodium type. Within the limits of the flood plain, the mineralization of the subterranean

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SOV/21-58-2-25/28
On the Formation of the Chemical Composition of the Subterranean Waters
of the Upper Cretaceous Deposits in the North Donets River Basin, in the
Kremennaya - Svetlichnoye Section

waters is higher than within the sandy terrace as a result
of the influx of more highly mineralized waters from the
alluvial aquiferous stratum and of contamination of the
surface waters in the river by industrial waste. There
are 2 Soviet references.

ASSOCIATION: Institut geologicheskikh nauk AN UkrSSR (Institute of Geo-
logical Sciences of the AS UkrSSR)

PRESENTED: By Member of the AS UkrSSR, V.G. Bondarchuk

SUBMITTED: April 15, 1957

NOTE: Russian title and Russian names of individuals and institu-
tions appearing in this article have been used in the trans-
literation

Card 2/2

TKACHENKO, K.D.

Temperature conditions and the migration of moisture in aeration
zones. Geol. zhur. 21 no.6:103-106 '61. (MIRA 15:2)

1. Institut geologicheskikh nauk AN USSR.
(Soil moisture)

TKACHENKO, K. M.

3532 9. Poluchenie Vodoustoychivых Bysokoprochnykh Stroydetakey Iz Lipsa. Trudy Mosk. Khim.-Tekhnol. In-Ta Im. Mendeleeva, Vyp. 16, 1949, S. 43-52

SO: Letopis' Zhurnal 'nykh Statey, Vol. 34, Moscow, 1949

1. BUDNYKOV, P. P.; MATVIYEV, M. A.; TKACHENKO, K. M.
2. USSR 600
4. Plaster
7. Problem of water resistance of plaster building materials, Dop. AN URSR, No. 2, 1951.
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Unclassified.

TKACHENKO, K. M.

USSR/Metals - Foundry, Materials

AUG 51

"Sodium Hydrosilicates as Binding Material for Molds and Cores," M. A. Matveyev,
K. M. Tkachenko, Candidates Tech Sci, TsNII Glavlitmash

"Litye Proiz" No 8, pp 19-21

Gives characteristics of sodium hydrosilicates, obtained by both aqueous and vapor methods, and discusses their binding capacity in sand-clay mixts used in mold and core making. Addn (3%) of silicate is sufficient for obtaining good results.

PA 197T74

C.t.

9

Use of alkaline hydrosilicates in unfired silicate molds for nonferrous casting. M. A. Matveev and K. M. Tkachenko (Mendeleev Chem.-Technolog. Inst., Moscow). "Ogneupory" 16, 159-62(1951).—Materials tested were corundum, clay, quartz, sand, clay grog, asbestos, kaolin grog, and Zr silicate. Optimum ratios of bond and filler were detd. by using Na hydroxilate obtained by method of one hydration with various units. of water; FII is the cc. of water required to hydrate 1 g. of vitreous alk. silicate. Optimum silicate modulus (M) was 2.5-3.0. Best mixes were: (a) 90% grog ground to pass sieve of 400 openings per sq. cm. and 10 hydroxilate, (b) 30% grog (size as in (a)), 25 powd. asbestos, 15 refractory clay, and 10 hydroxilate, and (c) 90% kaolin grog (size as in (a)) and 10 hydroxilate. Water was added to (a), (b), and (c) to give 10, 25, and 13 parts per 100 parts of mix, resp., on wt. basis. In all cases, M was 2.5-3.0 and FII was 25. B. Z. Kamich

MATVEYEV, M. A., TKACHENKO, K. M.

Pottery.

Highly durable and water-resistant gypsum molds. Stek. i ker., 9, no. 7, 1952.

9. Monthly List of Russian Accessions, Library of Congress, October 1952 Uncl.

1. MARVEEV, M.A.; TKACHENKO, K.M.
2. USSR (600)
4. Founding
7. Mineral binders for molds, M.A. Narveev, K.M. Tkachenko, Lit.proizv. no. 5, 1953.
9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755920006-6

APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755920006-6"

TKACHENKO, K.M., inzhener; BOGDANOV, A.I., inzhener.

Thermoreactive resins for investment molds. Lit.proizv.no.3:8-10
Mr '56. (MLRA 9:7)
(Shell molding (Founding)) (Resins, Synthetic)

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755920006-6

APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755920006-6"

TKACHENKO, K.M.; ROVNOVA, V.D.

Molding materials for precision casting. Lit. proizv. no.10:
1-3 0 '63. (MIRA 16:12)

TKACHENKO, K.M.; LIPMAN, M.S.

Use of zircon concentrates in foundry practice. Lit. proizv.
no.1:7-8 Ja '62. (MIRA 16:8)

(Founding) (Zircon)

VALISOVSKIY, I.V., kand. tekhn. nauk; MEDVEDEV, Ya.I., kand.
tekhn. nauk; TKACHENKO, K.M., kand. tekhn. nauk, retsenzent;
CHERNYAK, O.V., inzh., red.; MAKAROVA, L.A., tekhn. red.

[Technological testing of molding materials] Tekhnologicheskie
ispytaniia formovochnykh materialov. Moskva, Mashgiz, 1963.
222 p. (MIRA 16:7)

(Sand, Foundry--Testing)

SOV/128-59-7-15/25

18(5)

AUTHOR: Rakovskiy, V.E., Doctor of Technical Sciences and
Tkachenko, K.M. and Rivkina, Kh. T., Candidates of
Technical Sciences and Senina, R.M., Engineer

TITLE: Peat Bitumens in Pattern Materials for Precision
Casting

PERIODICAL: Liteynoye Proizvodstvo, 1959, Nr 7, pp 35-37 (USSR)

ABSTRACT: The propagation of the precision casting method with flushed out patterns depends also on the existence of cheap and available materials with the necessary properties. In the USSR, a mixture of paraffine and glyceric stearate is used which however does not have all the necessary qualities. The authors have tried to substitute the glyceric stearate by peat bitumen. For industrial purposes only peat with the highest contents of bitumen can be used. Of great importance too is the solvent used. The authors suggest benzine or benzole. In several tables the results of the

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COV/128-59-7-15/25

Peat Bitumens in Pattern Materials for Precision

Casting

experiments at the laboratory of NIIITM^{vtopram} are given. They have been made with a paraffine-bitumen mixture of 70 : 30 mix ratio. The foundry experiments had been executed by means of a pressure die casting machine, design M.I. Henkin. This machine proved not to be suitable for this work. The machine has been improved by increasing the number of revolutions from 135 rpm to 200 rpm. The authors have also made shop experiments at Krasnogorsk. They made the introduction of a new component necessary, i.e. ceresine and colophony (BPZK in a rate of 5:2:2:1 or BPZ in a rate of 5:3:2). Both mixes can be used for precision investment casting, even during summer and in areas with high temperatures. There are 7 tables and 1 diagram

Card 2/2

RAKOVSKIY, V.Ye. doktor tekhn.nauk; RIVKINA, Kh.I., kand.tekhn.nauk;
SENINA, R.M., inzh.; TKACHENKO, K.M., kand. tekhn.nauk.

Peat bitumens in molding compounds for precision casting. Torf. prom.
35 no.6:3-6 '58. (MIRA 11:10)

1. Moskovskiy torfyany institut. (for Rakovskiy, Rivkina). 2. Nauchno-
issledovatel'skiy institut liteynogo mashinostroyeniya (for Senina,
Tkachenko).

(Precision casting) (Bitumen)

MATVEYEV, M.A.; TKACHENKO, K.M.

Quick preparation of foundry molds made primarily of mineral binding agents. Trudy MKHTI no.24:85-90 '57. (MIRA 11:6)
(Foundry chemistry) (Molding (Foundry))

TKACHENKO, K. N.; GROMOVA, Ye. A.; ROMANOVA, T. A. (Moskva)

O roli retikulyarnoy formatsii stvola mozga v patogeneze eksperimental'nogo
stolbnyaka

report submitted for the First Moscow Conference on Reticular Formation,
Moscow, 22-26 March 1960.

FEDOROV, B.M.; GROMOVA, Ye.A.; TKACHENKO, K.N.; PODREZOVA, N.A.

Changes in the electric activity of the brain in experimental myocardial infarct and disorders of the cardiac rhythm. Trudy Inst. norm. i pat. fiziolog. AMN SSSR 6:113-115 '62 (MIRA 17:1)

1. Laboratoriya infektsionnoy patologii (zav. - hlen-korrespondent AMN SSSR, prof. A. Ya. Alymov) Instituta normal'noy i patologicheskoy fiziologii AMN SSSR.

GROMOVA, Ye.A.; FEDOROV, B.M.; TKACHENKO, K.N.; PODREZOVА, N.A.; PROVODINA, V.N.

Correlation between disorders of the cardiac activity and functional changes in the brain in experimental diphtheria intoxication. Pat. fiziol. i eksp. terap. 8 no.5:31-35
S-0 '64. (MIRA 18:12)

1. Institut normal'noy i patologicheskoy fiziologii (direktor -
deystviteльnyy chlen AMN SSSR prof. V.V.Parin) AMN SSSR, Moskva.
Submitted February 16, 1963.

GROMOVA, Ye.A.; TKACHENKO, K.N.

Effect of serotonin on the functional state of the hypothalamus.
Dokl. AN SSSR 165 no.3:717-720 N '65. (MIRA 18:11)

1. Institut normal'noy i patologicheskoy fiziologii AMN SSSR.
Submitted January 7, 1965.

L 28044-66

ACC NR: AP6018180

SOURCE CODE: UR/0239/65/051/006/0768/0775

AUTHOR: Gromova, Ye. A.; Tkachenko, K. N.; Provodina, V. N.

ORG: Laboratory of Physiological Analysis of Endogenous Neurotropic Substance,
Institute of Normal and Pathological Physiology, AMN SSSR, Moscow (Laboratoriya
fiziologicheskogo analiza endogennykh neyrotropnykh veshchestv Instituta
normal'noy i patologicheskoy fiziology AMN SSSR)TITLE: Characteristics of functional connections of various regions of the
hypothalamus^{1/} of the rabbit

SOURCE: Fiziologicheskiy zhurnal, v. 51, no. 6, 1965, 768-775

TOPIC TAGS: rabbit, brain, EEG, cerebral cortex, electrophysiology, biologic
respiration, animal physiology

ABSTRACT: Irritation of various regions of the hypothalamus of rabbits by means of an electric current produced simultaneous changes in the EEG of the cerebral cortex, the frequency of respiration, and the frequency of cardiac contractions. The thresholds of irritation which produced changes in the EEG of the cerebral cortex were always lower than those which affected respiration and the cardiac activity. External sound and tactile stimuli had an activating effect on both the hypothalamus and the cerebral cortex, as indicated by the electrical potentials recorded from these parts of the brain. The data obtained indicated that regulation of the cardiac activity by the hypothalamus is affected by the functional state of the cerebral cortex.

Orig. art. has: 4 figures. [JPRS]

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Card 1/1 SUB CODE: 06/ SUBM DATE: 10Feb64/ ORIG REF: 004/ OTH REF: 006

GROMOVA, Ye.A.; TKACHENKO, K.N.; PROVODINA, V.N.

Functional characteristics of the hypothalamus. Trudy Inst.norm.
i pat.fiziol. AMN SSSR 7:37-38 '64. (MIRA 18:6)

1. Laboratoriya fiziologicheskogo analiza neyrotropnykh
endogennykh veshchestv (zav. doktor biolog. nauk Ye.A.Gromova)
Instituta normal'noy i patologicheskoy fiziologii AMN SSSR.

TKACHENKO, K.N.

Role of serotonin in the central regulation of cardiac activity.
Trudy Inst.norm.i pat.fiziol. AMN SSSR 7:98-99 '64.

(MIRA 18:6)

1. Laboratoriya fiziologicheskogo analiza endogennykh neyrotropnykh
veshchestv (zav. - doktor biolog. nauk Ye.A.Gromova) Instituta
normal'noy i patologicheskoy fiziologii AMN SSSR.

GROMOVA, Ye.A.; TKACHENKO, K.N.

Change in higher nervous activity of white rats in tetanic intoxication. Zhur.vys. nerv. deiat. 11 no.2:370-375 Mr-Ap '61.
(MIRA 14:6)

1. Laboratory of Infectious Pathology, Institute of Normal and
Pathological Physiology, U.S.S.R. Academy of Medical Sciences,
Moscow,

(TETANUS) (NERVOUS SYSTEM)

GROMOVA, Ye.A.; TKACHENKO, K.N.; ROMANOVA, G.A.

Experimental data on the treatment of tetanus with aminazine.
Biul. eksp. biol. i med. 52 no.12:38-43 D '61. (MIRA 14:12)

1. Iz laboratorii infektsionnoy patologii (zav. - chlen-korrespondent AMN SSSR prof. A.Ya.Alymov) Instituta normal'noy i patologicheskoy fiziologii (dir. - deystvitel'nyy chlen AMN SSSR prof. V.V.Parin) AMN SSSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR, V.V.Parinym.

(CHLORPROMAZINE)

(TETANUS)

TMACHENKO, K. P.
A. E. VALIMOVSKI, Physik. Z. Sowjetunion 8, 536-40, 1935

DUGANOV, G.V., kand.tekhn.nauk, dotsent; TKACHENKO, K.T.; MILETICH, A.F.;
SKRYNNIKOV, K.A., gorn.inzh.; ROMENSKIY, L.P.; CHERNIKOV, G.F.;
MOSIN, I.M.

Improved methods and instruments for air depresssure readings.
—Izv. DGI 31:58-68 '58. (MIRA 11:?)
(Mine ventilation)

TKACHENKO, K.T.; TRETENKO, M.Ye.

Analysis of the composition of Dnieper brown coal ashes. Izv. DGJ
29:104-108 '57. (MIRA 11:5)
(Dnieper Basin--Lignite--Analysis)

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RECORDED, R. T.
L. S. - ATTACHED, Payroll L. Department, 1004, 6, 570-3307

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TKACHENKO, Z. T.

A. E. MALINOVSKIY, Physik Z. Sowjetunion 6, 549-56, 1934

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TKACHENKO, K. T.

A. S. VALLINOVSKII, Physik. Z. Sowjetunion 5, 446-52, 1934

24

Transfer of ions by explosion waves. A. E. MALISOVSKI AND K. T. TRACHENKO
Physik Z. Sowjetunion 3, 520-530 (1958). - The transfer of ions by an explosion wave was
detd for C₂H₄ and mixts by use of an explosion tube with 2 condensers separated by a
variable distance. The change in current through one of the condensers when the field
is applied is taken off the condenser closer to the igniting spark is a measure of the no.
of ions transferred. The fraction of ions transferred becomes greater with more explo-
sive mixts, and less with increasing distance between condensers. E. J. ROSENBAUM

ASH-SEA METALLURGICAL LITERATURE CLASSIFICATION

Tkachenko, L.
USSR/ Electronics

Card 1/1 Pub. 89 - 30/40

: Freydlis, A.; Kotel'nikov, N.; Pavlenko, V.; Tyushnikov, E.; Trapeznikov, A.; Vorob'yev, V.; Tkachenko, L.; and Nechay, V.

Title : Exchange of experiences.

Periodical : Radio 10, 42-43, Oct 1954

Abstract : Several small articles, sent in by local radio operators, are featured under the above title. Each author offers, for the benefit of the others, the results of his experience in the field of electronics. The following equipment and subjects are dealt with: an automatic safety device for the protection of rural radio-center personnel against electric shock; a miniature signal generator; an "interference-free" receiving antenna; a radio-relay station of the Urozhay type; a piezoelectric pickup for an electric guitar, and others. Diagrams; drawings.

Institution:

Submitted:

TKACHENKO, L. (Poltava)

Checking thin-wire transformers. Radio no.10:43 0 '54. (MIRA 7:11)
(Electric transformers)

OSUKHOVSKIY, V.E.; TKACHENKO, L.A.

Mechanism underlying the formation and elimination of the
heterocharge of electrets from beeswax. Fiz. tver. tela ?
no.8:2578-2579 Ag '65. (MIRA 18:9)

1. Dal'nevostochnyy gosudarstvennyy universitet, Vladivostok.

L 8587-66 EWT(1)/EWT(m)/EWP(j)/T IJP(c) AT/RM
ACCESSION NR: AP5019902 UR/0181/65/007/008/2578/2579
AUTHOR: Osukhovskiy, V. E.; Tkachenko, L. A.
TITLE: Concerning the mechanism of formation and destruction of the heterocharge
of electrets from beeswax
SOURCE: Fizika tverdogo tela, v. 7, no. 8, 1965, 2578-2579
TOPIC TAGS: electret, wax, electric discharge, charge density, temperature dependence, electric polarization, ion distribution
ABSTRACT: The purpose of the investigation was to check whether the commonly shared hypothesis that the increase in the discharge current of an organic (beeswax) electret with increasing temperature is due to the motion of the ions induced by the internal field of the electret. The authors carried out polarization measurements on beeswax originally heated to 140--160°C, then cooled to room temperature, and then reheated to 53°C in a field 3.3 kv/cm. In all cases the sample was kept in the polarization field for 10 minutes, after which it was cooled to 20°C in 60 minutes. The voltage was then removed, the capacitance discharged, and the electret reheated to 56°C, and the discharge current measured. The results show conclusively that when the electrets are heated the increase in the discharge current, the value of the maximum, and the time of appearance of this maximum are

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ACCESSION NR: AP5019902

connected only with the motion of the ions under the influence of the internal field of the electret. If the ionic mechanism is not decisive in the formation of the heterocharge in the electret, these relations may not be satisfied. Orig. art. has: 1 figure and 1 table.

ASSOCIATION: Dal'nevostochnyy gosudarstvennyy universitet, Vladivostok (Far-Eastern State University)^{44, 55-}

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ENCL: 00

SUB CODE: SS, EE

NR REF Sov: 001

OTHER: 004

jw
Card 2/2

BAYNDUROV, V.S., inzh.; TOPORSKIY, V.K., inzh.; TKACHENKO, L.A., inzh.

Pulley with a built-in planetary reducing gear. Izv. vys.
ucheb.zav.; mashinostr. no.108104-106 '64 (MIRA 18:1)

1. Khar'kovskiy inzhenerno-ekonomicheskiy institut i Khar'-
kovskiy mashinostroitel'nyy zavod "Krasnyy Oktyabr'".

MYASNIKOVA, Ye.V.; TKACHENKO, L.A., otv. red.

[Transition from the mean daily discharge of flood waters
in the rivers of the Ussuri basin to the maximum] O pere-
khode ot srednesutochnogo pavodochnogo raskhoda vody na
rekakh basseina r. Ussuri k maksimal'nym. Vladivostok,
Primorskoe knizhnoe izd-vo, 1964. 5 p. (MIRA 17:12)

TKACHENKO, L.A., inzh.

Device for testing tackle. Mont. i spets. rab. v stroi. 23
no.12:9-11 D '61. (MIRA 15:2)

1. Trest Donbassantratsitshakhtostroymontazh.
(Building machinery--Testing)

KORCHEMSKAYA, K.M.; TKACHENKO, L.G.

Conference on critical phenomena and fluctuations in solutions,
Vest. Mosk. un. Ser. 2: Khim. 16 no.1:80 Ja-F '61. (MIRA 14:4)

1. Kafedra fizicheskoy khimii Moskovskogo universiteta.
(Solution (Chemistry))--Congresses)

L 3017-66 EWT(1)/EWA(h)

AM5013199 BOOK EXPLOITATION UR/
621.3.019.3+621.396.966.019.3

Vasil'yev, Boris Vasil'yevich; Kozlov, Boris Anatolyevich; Tkachenko, Leonid /3
Grigor'yevich

//
8+1

Reliability and efficiency of electronic devices (Nadezhuost' i effektivnost' radio-elektronnykh ustroystv). Moscow, Izd-vo "Sovetskoye radio", 1964. 367 p.
illus., biblio. Errata slip inserted. 9300 copies printed.

TOPIC TAGS: electronic device, reliability, efficiency, random function, quality index, quality control, doubled system, standby system matrix test, matrix test equipment

PURPOSE AND COVERAGE: This book is intended for engineers engaged in the design, testing, and operation of radio and electronic equipment and for students in advanced courses in schools of higher technical education. The theoretical chapters of the book may also be useful to scientific workers and aspirants. The basic premises of reliability theory and of quality control are analyzed on the basis of random functions. Methods of studying the reliability and efficiency of electronic devices are described. Special attention is given to methods of physical modeling, especially the cut-off and matrix tests. An auto-

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2

matic machine for matrix testing is described and examples of its use for laboratory investigation of the reliability of transistorized circuits are given. Ch. I and sections 6-9 of Ch. II are written by B. V. Vasil'yev; Ch. IV and sections 1-5 of Ch. II by B. A. Kozlov, and Ch. III, V, and VI by L. G. Tkachenko. The authors thank V. S. Pugachev, Professor, Doctor of Technical Sciences, and I. N. Kovalenko, Doctor of Technical Sciences for their assistance.

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Card 6/6 *hhd*

VASIL'YEV, Boris Vasil'yevich; KOZLOV, Boris Anatol'yevich;
TKACHENKO, Leonid Grigor'yevich; ALEKSANDROVA, A.A.,
red.

[Reliability and efficiency of radio-electronic devices]
Nadezhnost' i effektivnost' radioelektronnykh ustroistv.
Moskva, Sovetskoe radio, 1964. 367 p. (MIRA 17:12)

TKACHENKO, L.I.

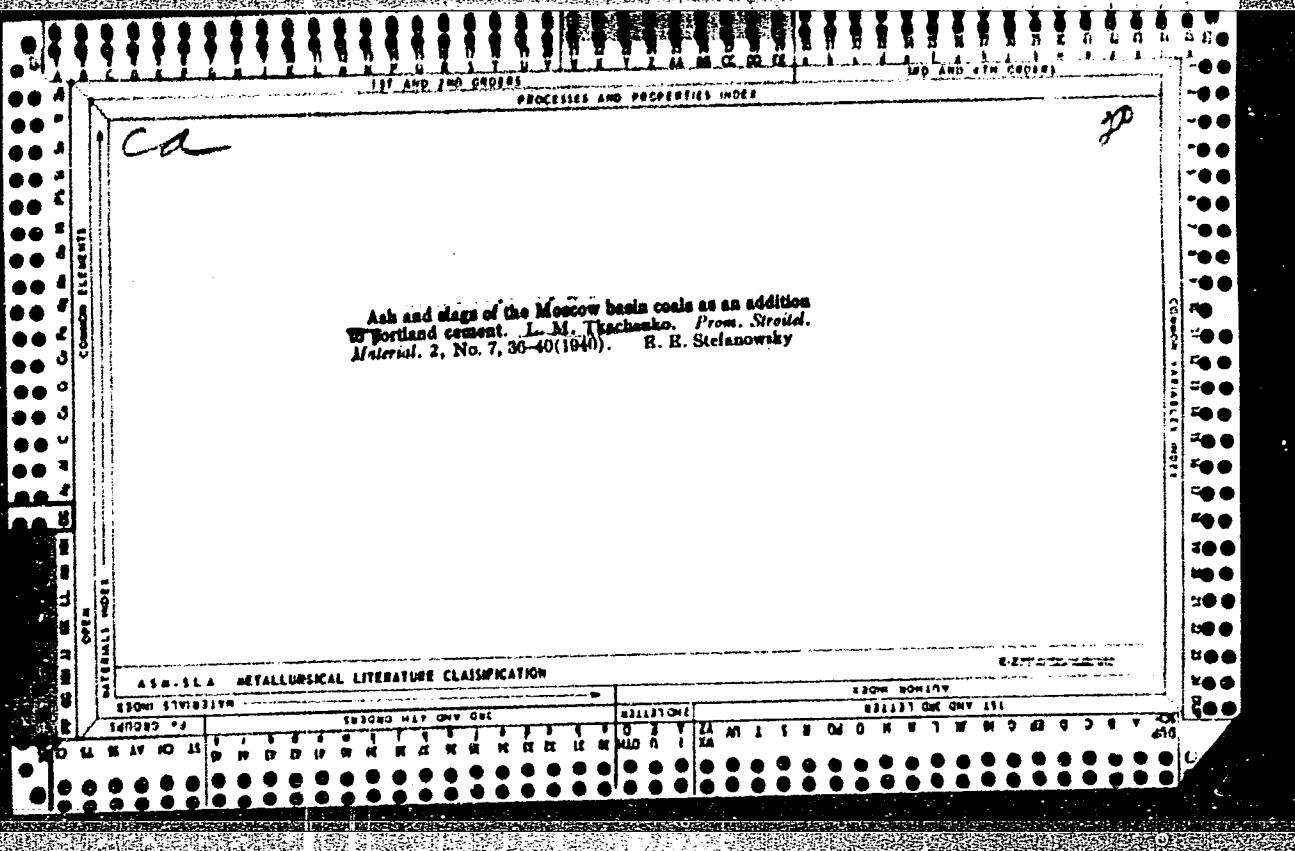
Interrelations of the phenomena of dominant and hysteriosis.
Nerv. sist. no.4:144-145 '63 (MIRA 18:1)

1. Institut fiziologii AN SSSR, Leningrad, i Institut gidro-
biologii AN UkrSSR, Kiyev.

TKACHENKO, L.I.

Change in the unconditioned reflexes of the prolonged stimulation
of the afferent nerve. Dop. AN URSR no.7:942-945 '65.

1. Institut hidrobiologii AN UkrSSR i Institut fiziologii AN SSSR. (MIRA 18:8)



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TKACHENKO, L. M.

C. A.
Ash and slag of the Marlow basin coals as an addition
to portland cement. L. M. Tkachenko. From, Shch. A.
Material, 2, No. 7, 30-40 (440). B. E. Stefanowsky

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CIA-RDP86-00513R001755920006-6"

SIMONTOV. Isaak Moiseyevich, kand. tekhn. nauk, DORONKIN, Ye.P., kand. tekhn. nauk, retsenzent; TKACHENKO, L.N., inzh., red.

[Design of automatic gain control systems of radio receivers] Proektuvannia system ARP radiopryimachiv. Kyiv, Tekhnika, 1964. 109 p. (MIRA 17:9)

PETROSYANTS, G.V.; TKACHENKO, L.M.

Improving rotary furnaces. Bezop.truda v prom. 4 no.1:31-33
Ja '60. (MIRA 13:5)

1. Spasskiy tsementno-shifernyy zavod.
(Furnaces)

SERVINSKIY, Yevgeniy Grigor'yevich, kand. tekhn.nauk; YAKOVLEV,
V.N., kand. tekhn. nauk; TKACHENKO, L.N., inzh., rea.

[Frequency control of quartz self-oscillators] Upravlenie
chastotoi kvartsevykh avtogeneneratorov. Kiev, Tekhnika,
1964. 200 p. (MIRA 17:10)

1 K A U T L N K O , L . P .

AUTHOR: Yevdokimov, I.F., and Tkachenko, L.P., Engineers. 104-2-22/38
TITLE: The erection of trestle cranes. (Montazh kozlovych
kranov)

PERIODICAL: "Elektricheskie Stantsii" (Power Stations), 1957,
Vol.28, No.2, pp. 79 - 80 (U.S.S.R.)

ABSTRACT: This brief practical note describes the erection of a travelling bridge crane presumably for use in the fuel stores of a power station. Two methods are suggested which are simpler and safer than the method recommended by the factory manufacturing the crane. The erection labour time is reduced from 2 440 man hours to 890 in one case and 1 000 in another. The amount of metal required for auxiliary erection equipment is reduced from 8.5 tons to 1.9 tons in one case and 3.0 in another. The procedure is described in detail.

There are 2 figures and 2 tables.

AVAILABLE:

Card 1/1

GRIGOR'YEV, I.A., gornyy inzh.; TKACHENKO, L.P., gornyy tekhnik

Roof caving without the use of battery stulls, Ugol' 36 no. 5:16-
20 My '61. (MIRA 14:5)

1. Trest Lisichanskugol'.
(Mine timbering)

TKACHENKO, L.P., gornyy tekhnik

Roof caving without battery stulls. Ugol' Ukr. 4 no.7:29-30
J1 '60. (MIRA 13:8)
(Coal mines and mining)

TKACHENKO, M.; DEDYURA, I.

In Pavlodar grain fields. Pozh. delo 5 no.6:23 Je '59.
(MIRA 12:8)

1.Nachal'nik oblastnoy pozharnoy okhrany Pavlodarskogo oblispolkoma
(for Tkachenko). 2.Starshiy inspektor oblastnoy pozharnoy okhrany
Pavlodarskogo oblispolkoma (for Dedyura).
(Pavlodar--Grain)
(Pavlodar--Agriculture--Safety measures)

TKACHENKO, M.

Grain of the Virgin Territory. Pozh. delo 9 no.6:28 Je '63.
(MIRA 16:8)

TKACHENKO, M.

Bricks should be molded and kilned the year round. Sill'. bud. 9 no.12:
18-20 D '59
(MIRA 13:3)

1. Glavnnyy inzhener Chernigovskogo mezhhokhodnogo kirpichnogo zavoda.
(Chernigov Province--Brickmaking)

TKACHENKO, M.

Obschee Lesovodstvo (General Forestry)

596 p. 3.00

SO: Four Continent Book List, April 1954

TKACHENKO, M.

The fifth academic Shevchenko conference. Visnyk AN UkrSSR 27 no.5:
78-80 My '56. (MLRA 9:8)
(Shevchenko, Taras, 1814-1861)

GRIGOR'YEV, V.V.; ZAKREVSKIY, V.S.; BURNYKH, V.S.; KOBTSEV, A.F.; TKACHENKO, M.F.

Hydraulic efficiency of Donets gas pipelines. Gaz. delo no.8:
25-29 '64. (MIRA 17:9)

1. Donetskoye upravleniye magistral'nykh gazoprovodov i Ukrainskiy
filial Vsesoyuznogo nauchno-issledovatel'skogo instituta prirodnogo
gaza.

BURNYKH, V.S.; TKACHENKO, M.F.

Pressure losses in gas condensers and the communications of
compressor stations. Gaz. delo no.5:12-15 '64 (MIRA 17:7)

1. Ukrainskiy filial Vsesoyuznogo nauchno-issledovatel'skogo
instituta prirodnogo gaza, g. Khar'kov.

BURNYKH, V.S.; TKACHENKO, M.F.

Increasing the flow-through capacity of the gas pipeline
Shebelinka-Belgorod-Kursk-Bryansk (in the Shebelinka -Belgorod
sector). Neft. i gaz. prom. no.4:57-60 O-D '64 (MIRA 18:2)

24.2200 (1144, 1137, 1161)

1117/514

15 24170

AUTHORS: Strelets, P. L., Syrkin, L. N., and Vladimirov

TITLE: Synthesis of multi-component ferrites with high dynamic magnetostriction parameters

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya.
v. 25, no. 11, 1961, 1426-1429

TEXT: Ferrites with high dynamic magnetostriction were investigated. Mixed ferrites were synthesized by usual powder-metallurgical methods. The pure oxides: NiO - ZnO - CuO - CoO - FeO₃ were used as raw material. The magnetostriction parameters (coefficient of electromechanical binding, K, and magnetostriction constant, a) were measured by the resonance-antiresonance method (Ref. 1: see below) with low exciting inductions ($B_m \approx 1$ gauss) and $H_o = 10$ oersteds. In the system $(Ni_{1-x-y}Zn_yCo_xFe_2O_4)$, the maxima of K and a were, independent of the $ZnFe_2O_4$ content, always close to $x = 0.02$. The optimum $ZnFe_2O_4$ content corresponded to

X

Card 1/4

30083
S/046/61/025/011/020/031
B117/B102

Synthesis of multi-component ...

$y_{opt} = 0.1$ ($a = (1.8-1.9) \cdot 10^4$ dyne/gauss \cdot cm 2 , $K = 0.26$, composition no. 1)
All formulas hold approximately: Similar relationships were observed
for the system $(Ni_{1-x-y}Cu_xCo_yFe_{2-x}O_4)$. In this case, however, the maxima
were blurred, and corresponded to a value of x ranging from 0 to 0.01.
In this system, a and K reached their maximum values at
 $y = 0.15$, $x = 0.01$ ($a = 1.5 \cdot 10^4$ dyne/gauss \cdot cm 2 , $K = 0.21$, no. 2). Taking
account of the experimentally obtained relations, it was found from

$$a = K\sqrt{E/4\pi\mu_r} = \Delta E/4\pi\mu_r$$

(E - Young's modulus; μ_r - reversible magnetic permeability; Δ - sensitivi-
ty coefficient), that μ_r and Δ are determined by different energies of
anisotropy. Consequently Δ/μ_r or K/μ_r depends on the anisotropy constant
 K_1 . A system $Ni_{1-y}Co_yFe_{2-x}O_4(Fe_{2-x}O_3)_x$, consisting of several "subsystems".
was synthesized to investigate the effect of the $Fe_{2-x}O_3$ excess on
magnetostriiction. The subsystem $[Ni_{0.98}Co_{0.02}Fe_{2-x}O_4(Fe_{2-x}O_3)_x]$ corresponded
to the optimum $CoFe_2O_4$ content ($y = 0.02$). In this system a reached its

Card 2/4